



Watch Your Waste

Green Town Meeting

February 15, 2017



Topics

- City Solid Waste Program
- Current Performance
- Next Steps to Achieve 78% Waste Diversion
- Best Practices in Achieving High Diversion

City Solid Waste Program

- Franchise Agreement w/ MTWS
 - Executed in March 2010
 - 10-year contract with two possible extensions
 - Exclusive right to provide solid waste collection services
- Oversight of Annual Performance
 - Quarterly and Annual reports
 - On-going regular meetings
- Regional Collaboration

Current Performance

- State Laws
- Diversion Data
- Recycling Efforts

State Laws

- AB 939 - Enacted 1989 -
 - 50 % Recycled by 2000
- AB 32 - Enacted 2006 -
 - GHG's reduced to 1990 levels by 2020
- AB 341 - Enacted 2012 - Mandatory Commercial Recycling -
 - Generators over 4 cy's week Solid Waste
 - 75 % Goal For Recycling State Wide
- AB 1826 - Enacted 2014 -
 - Organic Waste reduced by 50% by 2020
- AB 1383 - Enacted 2016 -
 - 50% reduction Short-lived Climate Pollutants -
 - Specified reduction in Organic Waste in Landfills

AB 939

Santa Clara County Cities Landfilled Lbs. per Person Day

30% increase in Diversion

2009		
	Target	Annual
Los Altos Hills	3.4	1
Monte Sereno	3.9	1.2
Saratoga	4.2	2.5
Cupertino	4.3	3.1
San Jose	5.2	3.1
Los Gatos	6	3.3
Sunnyvale	5	3.5
Los Altos	4.4	3.7
Santa Clara-Unincorporated	4	3.7
Campbell	5.2	3.8
Milpitas	6.3	3.9
Morgan Hill	6.1	4
Mountain View	7.8	4
Palo Alto	8.2	4.2
Gilroy	6.2	4.5
Santa Clara	8.2	6

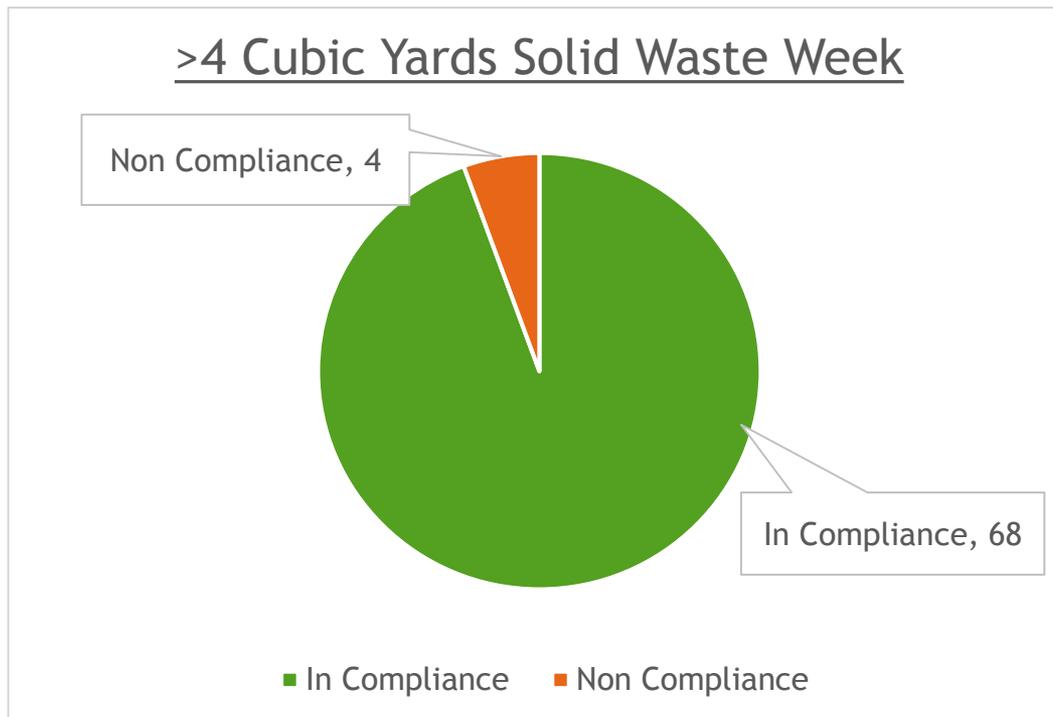
2014		
	Target	Annual
Los Altos Hills	3.4	1.3
Monte Sereno	3.9	1.7
Los Altos	4.4	2.6
Saratoga	4.2	2.9
San Jose	5.2	3.1
Santa Clara-Unincorporated	4	3.3
Palo Alto	8.2	3.6
Sunnyvale	5	3.6
Mountain View	7.8	3.8
Los Gatos	6	3.9
Campbell	5.2	4.1
Gilroy	6.2	4.2
Milpitas	6.3	4.9
Morgan Hill	6.1	5.2
Santa Clara	8.2	6.1
Cupertino	4.3	6.4

SOURCE :

<http://www.calrecycle.ca.gov/LGCentral/Reports/jurisdiction/diversiondisposal.aspx>

AB 341

- Enacted 2012 - Mandatory Commercial Recycling -
 - Generators over 4 cy's week Solid Waste
 - 75 % Goal For Recycling State Wide



AB 1826

- Organic Waste reduced by 50% by 2020

	<u>*2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Landfilled	3,238	8,768	9,100	8,855	9,187	9,223
<u>Composted</u>	<u>5,135</u>	<u>13,773</u>	<u>13,833</u>	<u>13,708</u>	<u>13,530</u>	<u>13,038</u>
Total	8,373	22,541	22,933	22,563	22,717	22,261
Reduction	61%	61%	60%	61%	60%	59%

MTWS Provided Diversion Capacity Customer Subscription Levels

<u>Los Altos Customers</u>									
<u>Cubic Yards Week Capacity</u>									
<u>Type</u>	<u>Count</u>	<u>Solid Waste</u>	<u>Recycling</u>	<u>Organic's</u>	<u>-</u>	<u>Landfill</u>	<u>Diversion</u>	<u>Total</u>	<u>% Capacity for Diversion</u>
Single Family	9,389	1,663	4469	4902.4		1,663	9,371	11,035	85%
Commercial Bin	336	979	1063.8	264.16		336	1327.96	1,664	80%
Multi-Family	123	312	265	58.72		312	323.72	635	51%

All Recycling Services Provided at No Charge to Customers

All Customers Can Reduce Their Disposal Costs by Recycling

MTWS Diversion Requirements

	<u>Minimum Diversion Rate</u>	<u>Diversion Rate Achieved</u>	<u>Tons Generated</u>	<u>Tons Diverted</u>		<u>Non MTWS Systems Tons Landfilled</u>	<u>Total City Generated</u>	<u>Non MTWS % Tons</u>
December 31,2011	62%	71.40%	30,706	21,937		4,559	35,265	13%
December 31,2012	69%	70.60%	30,949	21,849		4,391	35,339	12%
December 31,2013	78%	70.90%	30,429	21,574		5,197	35,626	15%
December 31,2014	78%	70.70%	31,389	22,202		5,305	36,694	14%
December 31,2015	78%	70.20%	30,987	21,764		6,212	37,199	17%

Waste Composition Of Commercial Landfilled Loads

<u>Annual Tons</u>	<u>City</u>	<u>Commercial</u>	<u>Multi Family</u>
4,682	609	3,839	2,341



<u>Source</u>	<u>Weekly Volume</u>	
	<u>Cubic Yards</u>	<u>% of Total</u>
City	152	13%
COM	977	82%
MFF	68	5%
	1,197	100%

Materials Identified in Loads

<u>Material</u>	<u>% Identified</u>	<u>Sub Total</u>
Food waste	25.4%	
Yard waste	1.8%	27.2%
Dry Fiber	8.7%	
OCC	6.6%	15.3%
PET	1.1%	
HDPE	1.2%	
Mixed Plastic	2.7%	5.0%
Glass	3.1%	3.1%
Aluminum	1.0%	
Ferrous Metal	5.4%	
Non-Ferrous Metal	1.3%	7.7%
	58.3%	58%

MTWS Investigating processing possibilities to recover material from the loads prior to landfilling

“ Back End Processing “
(Running material from the Garbage Truck over sort line to recover material)

Factors Affecting Diversion Efforts in Los Altos

- Leakage of Construction Waste from MTWS System
- Change in Operation by Grocery Stores with Handling Their Waste Streams
- Commercial Establishments without space for Recycling Containers
- Multi-Family Complexes without space for Recycling Containers
- Home Owners Associations , Management Companies, Not allowing Full Utilization of Recycling Options for Individual Generators on Site
- Drought Conditions , Change in Landscape , Reduced Vegetation Generated for Diversion

Next Steps Achieving 78% Diversion

- Enforcement of City's new Solid Waste and C&D Ordinances
- Backend processing of commercial MSW loads
- Additional technical assistance and public outreach

Best Practice in Achieving High Diversion

- Overall, the City and MTWS are performing most of the best practices out there
 - Technical assistance to commercial/multi-family waste generators
- Processing of commercial garbage
 - Great way to get more diversion, especially from generators with challenges to source separation
 - Best practice is to still promote source separation for all generators

Best Practice in Achieving High Diversion (cont.)

- Main Opportunity areas to develop long-range high diversion plan
 - Evaluates and established overall goals and means to achieve high diversion
 - Engages stakeholders and community in the development of the plan, goals and strategies
 - Broader than current MTWS requirements, and goes beyond term of Franchise Agreement
 - Areas of focus could be:
 - Sorting of self-hauled materials
 - Identification of future programs and policies for consideration
 - Reuse and other “highest and best use” strategies